MEMORANDUM

Date: April 27, 2001

To: Contractors

From: Lynn Hinrichs, Program Director DFCM

Reference: Salt Lake Community College Applied Education Center
DFCM Project No 99030660

Subject: **Addendum Number 4 – FINAL ADDENDUM**

4.1 GENERAL ITEMS

4.1.1 A list of plan holders and General Contractors may be obtained from the DFCM web site at http://www.dfcm.state.ut.us.

4.1.2 The term "Rework" as used in notes on the Drawings and in the Specifications, associated with existing items to remain, means that the existing features are to be repaired, rebuilt, and returned to good operating condition and appearance.

4.1.3 Refer to Drawing Sheet C104 (Curb and Gutter Plan View) for extent of asphalt cutting and patching at existing streets; Drawing Sheet AS101 for extent of new concrete, asphalt, and crushed stone paving; and Details 4/AS501 and 7/AS502 for pavement markings.

4.1.4 Refer to Detail 4/AX201 for Flagpole Heights.

4.1.5 Interior wood surfaces scheduled to receive transparent finishes (except flush wood doors) are to have finishes "field applied" per Specification Section 09912.

4.1.6 Refer to Door Schedules on Drawing Sheet AT601. No distinction has been made in door schedules to identify doors shown exclusively in the Base Bid versus those shown exclusively at Alternate Bid #3. Refer to Floor Plan Sheet AP101 for doors at Building A Base Bid, and Floor Plan Sheet AP102 for doors at Building A at Alternate Bid #3.

4.1.7 Refer to Structural Drawings. Utilize CMU infill at all walls requiring infill panels. See Architectural Drawings for exact locations and specific wall types.

4.2 ARCHITECTURAL ITEMS – DRAWING SHEETS

4.2.1 Drawing Sheet AS101: Refer to Site Plan. Provide new concrete retaining wall as indicated on Detail AD2-1 contained in Addendum #2, dated April 25, 2001. New retaining wall is to be located along North property line adjacent to northern most concrete drive for approximately 210 feet and then turn corner toward North and run along West property line to existing power pole approximately 60 feet from corner. Attach new chain link fence to top of wall as indicated below.

4.2.2 Drawing Sheet AS101: Refer to Site Plan. Rework perimeter fencing as follows:

4.2.2.1 At East property line: straighten bent posts and top rails to a plumb and level condition, and secure fabric to posts. Replace damaged fence posts at (3) locations. Replace damaged barbed wire support booms at (2) locations. Replace damaged fence fabric at (2) panels. Replace damaged top rail at (1) location

4.2.2.2 At northern most property line: From NE property corner proceeding West for approximately 300 feet, replace fence posts at (2) locations and provide top caps. Provide new fabric to match height of existing fences and connect existing fences together at (2) panels at approximately 300 feet west of NE corner, and from this point west to the most northern West property corner straighten bent posts and top rails to a plumb and level condition, secure fabric to posts, and reattach razor wire.

4.2.2.3 From most northern West property corner proceeding South along West property line for approximately 140 feet, straighten bent posts and top rails to a plumb and level condition, secure fabric to posts, replace short post at (1) location, and reattach razor wire. From this point proceeding along same the West property line to the next corner to the north,

remove existing fence and replace with a new chain link fence as specified in attached Section 02830 Chain Link Fence. Provide 6 foot fence fabric and 3 strand barbed wire at top of retaining wall. Embed posts in retaining wall.

4.2.2.4 From western most NW property corner proceeding East along North property line to corner of new fence indicated in item directly above, remove existing fence and replace with a new chain link fence as specified in attached Section 02830 Chain Link Fence. Provide 6 foot fence fabric and 3 strand barbed wire at top of retaining wall. Embed posts in retaining wall.

4.2.3 Drawing Sheet AS502: Delete Details 3/AS502 and 4/AS502, they are not applicable to this project.

4.2.4 Drawing Sheet AS502: Refer to Details 13/AS502, and 14/AS502. Operator shown for rolling gate to be, "Aut-o-dor Model #1285, as manufactured by Crown Industrial Operators, 213 Michelle Court, South San Francisco, CA 90480, Phone (650) 952-5150, or architect approved equivalent. Provide complete operator installation including all controls, housings, wiring, mountings, attachments, and accessories."

4.2.5 Refer to Drawing Sheets AP101 through AP105: Contractor to furnish and install additional 4 foot x 12 foot White (Marker) Boards, not currently shown on Drawings, as directed by architect and specified in Section 10100 in the following locations: Building A Rooms A102, A111, and A116; Building B Rooms B113, B122, B135, B136, and B141; Building C Rooms C101, C102, and C113.

4.2.6 Refer to Drawing Sheets AP101 through AP105: Contractor to furnish and install Vertical Blinds as directed by architect and specified in Section 12492 at exterior and/or interior windows at the following locations: Building A Room A102; Building B Rooms B103, B111, B113, B122, B133, B136, B138, B141, B142, B200, B212, and B214; Building C Rooms C101, C102, and C113.

4.2.7 Refer to Drawing Sheets AP101 through AP105: Contractor to furnish and install additional Projection Screens, not currently shown on Drawings, as directed by architect and specified in Section 11132 at the following locations: Building A Rooms A102 and A111; Building B Rooms B113, B122, B135, B136, B138, and B141; Building C Rooms C101, C102, and C113.

4.2.8 Drawing Sheet AP101: Refer to Base Bid Floor Plan Building A. Contractor to furnish and install Type 1 Fire Extinguishers and Cabinets per Specification Section 10520 and items contained in this addendum at the

following locations as directed by Architect: Provide (1) at Corridor A108 between doors A6 and A7 and (1) each adjacent to doors A25, A30, A35, and A38.

4.2.9 Drawing Sheet AP102: Refer to Alternate No. 3 Floor Plan Building A. Contractor to furnish and install Fire Extinguishers and Cabinets per Specification Section 10520 and items contained in this addendum at the following locations as directed by Architect: Provide (1) Type 1 at Corridor A108 between doors A6 and A7 and (1) Type 1 adjacent to door A25. Provide (1) each Type 2 adjacent to doors A49, A38, and A25.

4.2.10 Drawing Sheet AP103: Refer to First Floor Plan Building B. Contractor to furnish and install Fire Extinguishers and Cabinets per Specification Section 10520 and items contained in this addendum at the following locations as directed by Architect: Provide (1) each Type 1 at Corridor adjacent to door B19 and at Corridor at Grid D-8. Provide (1) each Type 2 adjacent to door B49 inside Room B151, adjacent to door B51 inside room B152, and at Grid E–2 near wash fountain.

4.2.11 Drawing Sheet AP103: Refer to First Floor Plan Building B. At Grid 7 between E and G, existing wall shown as Wall Type "X" between Rooms B105 and B122 contains a door opening which is to be in-filled with Wall Type "W". Refer to Drawing Sheet AD104 for location of existing opening to be in-filled.

4.2.12 Drawing Sheet AP104: Refer to Second Floor Plan Building B. Contractor to furnish and install Fire Extinguishers and Cabinets per Specification Section 10520 and items contained in this addendum at the following locations as directed by Architect: Provide (1) Type 1 at Corridor B202 adjacent to door B55.

4.2.13 Drawing Sheet AP105: Refer to First and Second Floor Plans Building C. Contractor to furnish and install Fire Extinguishers and Cabinets per Specification Section 10520 and items contained in this addendum at the following locations as directed by Architect: Provide (1) each Type 1 at Corridor C100 at Grid C-2, at Corridor C114 adjacent to door C33, and at Corridor C200 at Grid C-2. Provide (1) Type 2 adjacent to door C30 near emergency eye wash and (1) adjacent to Corridor C109 inside Room C110 near emergency eye wash.

4.2.14 Drawing Sheet AX201: Refer to South Elevation Key 2/AX201. Delete detail key shown as "9/AE506" should read, "6/AE506".

4.2.15 Drawing Sheet AX201: Refer to Flagpole Elevation 4/AX201. Delete notes referring to "stainless steel/bronze." Flagpoles are to be clear anodized aluminum per Specification Section 10350.

4.2.16 Drawing Sheet AX201: Refer to Entry Sign & Space Frame North Elevation 3/AX201. All steel used in space frame construction, aluminum panel sign structure, and space frame supporting columns is to be galvanized per Specifications Sections 05120 and 05500.

4.2.17 Drawing Sheet AX201: Refer to South Elevation 1/AX201, South Elevation Key 2/AX201, and Detail 3/AX201: Aluminum panels shown at Entry Sign shall be provided at both sides of sign structure and be continuous at the top and bottom. Refer to Section A-A on Drawing Sheet SE308 for supporting structure. Submit Shop Drawings and provide aluminum panels per attached Aluminum Entry Sign Panel Details AD4-3 and Specification Section 07412 - Manufactured Wall Panels.

4.2.18 Drawing Sheet AX202: Refer to Base Bid West Elevation 2/AX202. At Grid 2, note indicating to "Rework Extg. Bumpers" should read "Rebuild Existing Dock Seals."

4.2.19 Drawing Sheet AX203: Refer to Alternate 3 West Elevation 2/AX203. At Grid 3, change note shown as "Rework Extg. Bumpers" to read, "Rebuild Existing Dock Seals." At Grid 2 change note "New Bumper – See Specs" to read, "Contractor to provide new dock seals as manufactured by Frommet Industries, Inc., Iowa or architect approved equivalent, to match existing dock seals on Building A.

4.2.20 Drawing Sheet AX205: Refer to North Elevation 2/AX205. Change detail reference at Billboard Sign shown as "2/AI403" to read "2/AE501".

4.2.21 Drawing Sheet AE501: Refer to Billboard Detail 2/AE501. Painting of Billboard Sign is to be provided under Specification Section 09912.

4.2.22 Drawing Sheet AT602: Refer to Door Details 2/AT602. Delete notes indicating that flush wood doors are to be "Field Stained" and substitute the following, "Flush wood doors are to be factory finished – See Spec. Section 08211."

4.2.23 Drawing Sheet AT602: Refer to Door Schedule Building B, Door B54. Change door frame type shown as type "A" to Door Frame Type "D".

4.2.24 Drawing Sheet AT603: Refer to Interior Finish Schedule Floor Types. At Floor types F-4, F-5, and F-6, all exposed concrete, whether new or existing, is to be painted with epoxy floor paint as specified below in color as selected by architect from manufacturer's full range of colors. All existing floors to receive epoxy floor paint are to be "bead-blasted" and cleaned per paint manufacturer's recommendation prior to installation of new floor paint. See specification items below for epoxy floor paint.

4.3 ARCHITECTURAL ITEMS – SPECIFICATIONS SHEETS

4.3.1 Specification Division 2: Add the attached Specification Section 02830 Chain Link Fences.

4.3.2 Specification Section 02870. Delete this section in its entirety. Site and Street furnishing are to be provide by the Owner under separate contract.

4.3.3 Specifications Section 08110 Steel Doors and Frames: Refer to Sheet 08110-3. Delete Paragraph 2.5.I.4, "Provide Terminated Stops."

4.3.4 Specification Section 08410 Aluminum Entrances and Storefronts: Refer to Sheet 08410-3. Delete Paragraph 2.2.A. and substitute the following:

"A. Aluminum Entrance Doors: Kawneer "350" Series, medium style, or Architect approved equivalent."

4.3.5 Specification Section 08410 Aluminum Entrances and Storefronts: Refer to Sheet 08410-4. Delete Paragraph 2.3.A.3 and substitute the following:

"3. Door manufacturer to supply the following manufacturer's standard hardware: Closers, weatherstripping, thresholds, push/pulls, butt hinges, panic devices, and security locks (see Division 8 for key cylinders)."

4.3.6 Specifications Section 09512 Acoustical Tile Ceilings: Refer to Sheet 09512-2. Delete Paragraph 2.3.A.2, Paragraph A.2.3.A.3.a, and Paragraph A2.3.A.b. There is no 12 x 12 inch acoustic (glue-up) tile for this project.

4.3.7 Specifications Section 09912 Painting: Refer to Sheet 09912-1. Add the following to Paragraph 1.1.C.1:

j. Flush wood doors.
k. Metal Shading Devices.
l. Precast Concrete Wall Panels.
m. Aluminum Panels.

4.3.8 Specifications Division 9: Add the attached Specification Section 09960 High-Performance Coatings.

4.3.9 Specifications Division 10: Add the Following Specification Section 10705.

"SECTION 10705 – SUN SHADES

PART 1 - GENERAL

1.1 Summary: This Section includes Aluminum Sun-Shades (Metal Shading Devices), mounting brackets, and attachments.

1.2 Submittals: Provide Shop Drawings.

PART 2 – PRODUCTS

1.1 Manufacturers: Provide the following products and accessories from one manufacturer.

1.2 Dittmer Architectural Aluminum, 1006 Shepard Road, Winter Springs, Florida 32708, Phone (800) 822-1755 or architect approved equivalent as follows:

1.2.1 "DITT-SHADE" extruded aluminum sunshade of 6063 alloy, heat treated to a T-6 temper, with integral caulking slot and retaining bead, and painted factory finish of baked acrylic enamel, for maximum chalk and fade resistance, over chromate conversion pretreatment, complete with mounting brackets.

PART 3 – INSTALLATION

3.1 Provide complete installation including all mounting brackets, attachments, anchors, and accessories.

End of Section 10705"

4.3.10 Specification Section 10350 Flagpoles: Refer to Sheet 10350-2. Delete Paragraph 2.2.F.2 and Paragraph 2.2.F.3. Flagpoles to be Internal Halyard Winch System.

4.3.11 Specification Section 10520 Fire-Protection Specialties: Refer to Sheet 10520-2. Delete Paragraph 2.2.B and substitute the following:

"B. Multipurpose Dry Chemical Types:
2. Type 1 (At all areas other than Shop areas): UL rated 2-A:10-B:C, 5-lb normal capacity, in enameled steel container.
3. Type 2 (At Shop areas): UL rated 20A:120-B:C, 20-lb.normal capacity, in enameled steel container with pressure indicating gage."

4.3.12 Specification Section 10520 Fire-Protection Specialties: Refer to Paragraph 2.6 Fire-Protection Cabinets on Sheet 10520-3. Contractor to provide the appropriate type of cabinet for the wall where cabinet is located. Provide Fire-Rated Cabinets at Fire-Rated walls. Provide semi-recessed cabinets at

new walls and existing framed gypsum board walls. Provide surface mounted cabinets at existing masonry or concrete walls. Cabinets to constructed with cold-rolled steel sheet.

4.3.13 Specifications Section 10520 Fire-Protection Specialties: Refer to Paragraph 2.7.B and delete reference to embossed lettered handle and provide standard handle without embossed lettering.

4.3.14 Specifications Division 11, Add the following Specification Section 11050.

"SECTION 11050 - WELDING CURTAINS

PART 1 - GENERAL

1.3 Summary: This Section includes Welding Curtains, Rods, Hooks and attachments.

1.4 Submittals: Provide Product Data for screen indicated.

PART 2 – PRODUCTS

3.1 Manufacturers: Provide the following products and accessories from one manufacturer.

3.2 Tillman Transparent Vinyl Welding Curtain, 14 mil thickness,. No. 600 Gray, complete with rods, hooks, and all accessories available from 2555 So. Domingquez Hills Dr., Compton, CA 90220, Telephone (800) 255-5480 or approved equivalent.

PART 3 – INSTALLATION

3.2 Install with all rods, hooks, and accessories.

End of Section 11050"

4.4 STRUCTURAL ITEMS

4.4.1 The contractor is to epoxy inject cracks between 2/32 and 8/32 inch in thickness in the concrete wall panels. There is to be **no** epoxy injection of the CMU walls. Certain areas of CMU walls are to be repaired as per plans and specifications.

4.4.2 Regarding sheet SE105, the correct Simpson strap is MST48 as shown on the plans.

4.4.3 Regarding sheet SE102, the blocking of the diaphragm consists of DF 2 x 4 turned sideways and butting the diaphragm joint from beneath. This member is nailed from the diaphragm edge above with 8d nails spaced at 6 inches on center. The contractor should note the existing blocking, which should be properly nailed as specified.

4.4.4 The top wood wall plate appears to be present in certain areas where it can be observed. Most areas of the building perimeters are not uncovered. There is no guarantee that the plate exists in all locations. The plate and the appropriate attachment to the wall are necessary as specified in the plans.

4.4.5 The TJI members are braced on the compression flange through the diaphragm nailing, which has been specified in the plans. TJI does not specify tension flange bracing. The contractor should contact the manufacturer for specifics regarding their product.

4.4.6 Shear wall SW5 on 9/SE111 and 2/SE601 is an existing precast concrete wall and requires no new sheathing or nailing.

4.4.7 Shear walls SW2, SW3, SW4, and SW5 on 9/SE111 and 2/SE601 shall be sheathed on one side with the specified sheathing. Screws may be used to attach the sheathing at the same spacing as the nails specified on 2/SE601.

4.4.8 Refer to Drawing Sheet SE108 Footing Plan Building 'B". At Grid Line E between Grids 9 and 10, change two detail references shown as "12/SE310 to read, "12/SE309".

4.5 MECHANICAL ITEMS

4.5.1 Sheet MH101

4.5.1.1 Move thermostat serving UH A2 between grids E through F and 1 through 2 to receiving/storage A.129 room side of the wall.

4.5.1.2 Change exhaust fan callout EF-A9 to EF-A10.

4.5.1.3 Delete keyed note #2. Not used.

4.5.1.4 Delete "U in wall" from keyed note 5.

4.5.1.5 Delete keyed note #4. Not used.

4.5.1.6 Replace keyed note #12 with "Drop 3/4" drain line down near floor. Extend to floor sink in custodian A107".

4.5.1.7 Change keynote pointing at circle next to ATC panel in Custodian room from 12 to 13.

4.5.1.8 At Entry A100 (2) supply diffusers will be 700 CFM in lieu of 650 CFM.

4.5.1.9 Provide new unit heater where shown in Storage A124. Unit heater to be the same as UH/A2.

4.5.1.10 Make-up air unit MA/A2 shown above corridor A108 is the same as MA/A1.

4.5.2 Sheet MH103

4.5.2.1 Refer to EC-B1 near grids E and 3. There are 4 SWS-2 each at 2370 CFM's

4.5.2.2 Delete keyed note #3. Not used.

4.5.2.3 Delete keyed note #11. Not used.

4.5.2.4 Delete keyed note #15. Not used.

4.5.2.5 Near grid E and 3 delete size 18" diameter ID from supply duct.

4.5.2.6 Add keyed note callout #7 to SWS-1 callout serving engine storage room, near grid E.

4.5.2.7 SWE-1 and wall penetration serving Elevator Equipment Room will be 12/12.

4.5.3 Sheet MH104

4.5.3.1 Revise mechanical equipment, ductwork, diffusers etc. as shown on attached drawing.

4.5.4 Sheet MH105

4.5.4.1 For MA-C3 reference detail 4/MH501 (similar).

4.5.4.2 Refer to exhaust ducts at west end of Main Lab (shop) area. Transition from 18" diameter to 36/10 down wall to SWE-1 at both the north and south locations.

4.5.4.3 Keyed not #7 refers to evaporative coolers. (1) EC-C1 and (4) EC-C2.

4.5.4.4 Keyed note #17 detail reference is 4/MH502, in lieu of 4/MH501.

4.5.4.5 Provide new unit heater where shown in Secure Tool Storage C107. Unit heater to be the same as UH/A2.

4.5.4.6 Keyed note 19: Provide adapter for overhead diesel exhaust.

4.5.5 Sheet MH601

4.5.5.1 Rooftop Package Air Conditioners Unit Schedule (gas).

4.5.5.1.1 RTU-A1 not used.

4.5.5.1.2 RTU-A2 CFM = 2360 in lieu of 2900.

4.5.5.1.3 RTU-A3 CFM = 700 in lieu of 900.

4.5.5.1.4 RTU-A4 CFM = 700 in lieu of 900.

4.5.5.1.5 RTU-A8 CFM = 6100 in lieu of 6000.

4.5.5.1.6 RTU-B1 CFM = 2140 in lieu of 2515.

4.5.5.1.7 RTU-B4 CFM = 1320 in lieu of 1120.

4.5.5.1.8 RTU-C5 not used.

4.5.5.1.9 Add the following Efficiencies:

RTU	EER	SEER
A2	11.0	
A3		13.0
A4		13.0
A5		13.0
A6		13.0
A7		13.0
A8	9.5	
A9	9.6	
B1	11.0	
B2		13.0
B3		13.0
B4		13.0
B5		13.0
B6		13.0
B7	11.0	
B8		13.0

B9	13.0
B10	13.0
B11	13.0
C1	13.0
C2	13.0
C3	13.0
C4	13.0

4.5.5.2 Evaporative Cooler Schedule

4.5.5.2.1 EC-A1 CFM = 3415 in lieu of 4100.

4.5.5.2.2 EC-B1 Revise the following: VOLTS/PHASE/CYCLE = 280/1/60.

4.5.5.2.3 EC-C1 Revise the following: VOLTS/PHASE/CYCLE = 280/1/60.

4.5.5.2.4 EC-C2 Revise the following: VOLTS/PHASE/CYCLE = 280/1/60.

4.5.5.3 Exhaust Fan Schedule

4.5.5.3.1 EF-A1 CFM = 2285 in lieu of 2200.

4.5.5.3.2 EF-A3 CFM = 1565 in lieu of 1250.

4.5.5.3.3 EF-A9 not used.

4.5.5.3.4 EF-A11 revise the following: VOLTS/PHASE/CYCLE = 208/3/60.

4.5.5.3.5 EF-C1 Revise to VOLTS/PHASE/CYCLE = 480/3/60.

4.5.5.4 Relief Fan Schedule

4.5.5.4.1 RF-B1, Revise to the following: MODEL = ACRU 3 150, CFM = 1460, HP = 1/6, RPM = 860 VOLTS/PHASE/CYCLE = 170/1/60.

4.5.5.4.2 RF-B1, Revise the following: VOLTS/PHASE/CYCLE = 480/3/60.

4.5.5.4.3 RF-C1, Revise the following: VOLTS/PHASE/CYCLE = 480/3/60.

4.5.5.4.4 RF-C3, Revise the following: VOLTS/PHASE/CYCLE = 480/3/60.

4.5.5.5 Makeup Air Unit Schedule

4.5.5.5.1 MA-A2 add to schedule with the following data:

MANUFACTURER = Hastings, MODEL= RMU A 210, CFM = 1735, EXT SP = 0.6, HP = 1/2, VOLTS/PHASE/CYCLE = 115/1/60, BTU INPUT = 210,000. BTU OUTPUT = 159,600, WEIGHT = 900, Comments = (1) (2) (3).

4.5.5.5.2 MA-C1 Revise to the following: MODEL = RMUB-1200, HP = 5, VOLTS/PHASE/CYCLE = 480/3/60, BTU INPUT = 1,200,000, BTU OUTPUT = 912,000.

4.5.5.5.3 MA-C2 Revise to the following: HP = 1/3, VOLTS/PHASE/CYCLE = 115/1/60.

4.5.6 Sheet P105

4.5.6.1 Increase gas line size from make-up air unit MA/C1 to the gas meter to 2". Provide 1-1/2" branch line to make-up air unit.

4.5.7 Prior Approvals: Approval of equipment from catalog information indicates brand name and general characteristics are acceptable to the Engineer, but does not relieve the Contractor of the responsibility of providing equipment and accessories as specified unless specific mention of departure from specifications was made in the submittal and acknowledged in writing by the Engineer. Quantities and dimensions are not checked. We are retaining one set of submittal data for our files.

ITEM	BRAND SUBMITTED	COMMENTS
Electric Units Heaters	MARKEL	Approved
Make Up Air Units	RUPP	Approved
Roof Vents	CARNES	Approved
Underground Ductwork	Schauenburg	Approved
Manual, Fire, and Fire/Smoke Dampers	NCA	Approved
Split System A/C	EMI	Approved
Louvered Penthouse	Penn	Approved

4.6 ELECTRICAL ITEMS

4.6.1 Sheet EP101

4.6.1.1 Add an exterior horn/strobe on grid G and 3. Refer to reference note 4.

4.6.1.2 Move the horn/strobe shown on west wall of room A126 to south wall of A125. Coordinate with Architect/Engineer for exact location.

4.6.2 Sheet EC103, EC104:

4.6.2.1 Add an exit sign with directional arrow in Heavy Duty Mechanics Engine Lab B146 and tie it to an unswitched emergency lighting circuit. Locate the exit on the east wall. Coordinate with the Engineer for the exact location.

4.7 ATTACHED – DRAWINGS

4.8 ATTACHED – SPECIFICATION SECTION 02830 – CHAIN LINK FENCES

4.9 ATTACHED – SPECIFICATION SECTION 09960 – HIGH PERFORMANCE COATINGS

End of Addendum Number 4